Advantage Line



Advantage Line

U.S. Product Catalog

September, 2013

BOSCH

Invented for life

Design high-quality solutions for your projects at a price that satisfies both you and your customers. The Advantage Line offers you an affordable range of cameras and storage solutions for small- to mid-sized applications.

It's an entire suite of products and tools designed to give you an edge on the competition, no matter what the challenge.

Secure your advantage with Bosch!

www.boschsecurity.us/advantageline

Advantage Line



Megapixel Cameras

Advantage Line Megapixel cameras bring high definition video into the realm of small applications. With excellent image quality and accurate color reproduction, HD cameras provide the detail needed to distinguish fine features important for object recognition. HD video also delivers increased situational awareness using a 16:9 image format that maximizes the field of view.

Key Benefits

- 1-2-3 plug-in installation and operation
- More pixels per target object to retain sharpness and clarity even when zoomed in
- Increased situational awareness using a 16:9 image format that maximizes the field of view
- Capture video with an SD card or connect a video recorder for extended capabilities
- Reduce storage requirements and costs with H.264 compression
- View video on the SD card or remotely on PC surveillance software included
- ONVIF conformant

Product Options

- 5MP, HD 1080p and HD 720p Resolution
- Microdome, Minidome, Fixed Box, Microbox, or Bullet Styles
- Indoor or Outdoor
- Integrated Infared
- Vehicle Mount
- Wireless Communication









Pictured, clockwise from top left: NBC-265-P, NDN-265-PIO, NTC-265-P, NDC-284-PT

IP Cameras

The Advantage Line IP cameras deliver high-performance Bosch technology in cost-effective, ready-to-use solutions. Available models provide options for indoor and outdoor surveillance using compact cameras or discrete domes. Choose from standard resolution, wireless, and integrated IR models.

Key Benefits

- 1-2-3 plug-in installation and operation
- Perfect color images – clear and crisp
- Capture video with an SD card or connect a video recorder for extended capabilities
- Reduce storage requirements and costs with H.264 compression
- View video on the SD card or remotely on PC; surveillance software included
- Save time by automatically scanning for movement in video with smart motion search
- ONVIF conformant

Product Options

- 480p Resolution
- Microdome, Minidome, Fixed Box, Microbox, or Bullet Styles
- Indoor or Outdoor
- Integrated Infared
- Wireless Communication









Pictured, clockwise from top left: NUC-20002, NDC-255-P, NTC-255-P, NBC-255-W

960H Cameras

Bosch 960H cameras capture clear images regardless of the environment—from well-lit interiors to areas with harsh light, low light or no light. Select models feature built-in infrared illumination to provide full and accurate video information even in complete darkness.

Key Benefits

- 30% greater pixel density to retain sharpness and clarity even when zoomed in
- Day/Night capabilities with IR sensitivity and Wide Dynamic Range
- Indoor and outdoor applications
- Easily integrate into existing analog systems

Product Options

- 720 TVL Sensor Resolution
- PTZ, Microdome, Minidome, Bullet, or Mini Bullet styles
- Indoor or Outdoor
- Integrated Infared









Pictured, clockwise from top left: VEZ-400 Series, VTI-2075-F321, VDC-242, VUC-1055

Analog Cameras

The Advantage Line offers analog security cameras that fit a wide range of small to mid-sized applications. Choose from indoor and outdoor fixed and PTZ minidomes, integrated infrared domes and bullet cameras, as well as discreet mini-bullet cameras.

Key Benefits

- Quality color images
- Day/Night capabilities with IR sensitivity
- Suited for indoors and out
- Easy installation

Product Options

- 540 TVL or 380 TVL Resolution
- Minidome, Bullet, or Mini Bullet styles
- Indoor or Outdoor
- Integrated Infared









Pictured, clockwise from top left: VTC-206F03-2, VDI-240V03-2, VTI-216V04-2, VDC-260V04-20

Video Software

Bosch Video Client (BVC) is simple to install, easy to configure and intuitive to use. It is optimized for use in small-to-medium size video installations of up to 64 IP channels.

BVC is packaged with all Bosch IP cameras, and can be downloaded from the web. Licensing is free for up to 16 cameras. For larger systems, expansion license bundles are available for purchase.

The Bosch Video Management System (BVMS) is a unique enterprise IP video security solution that provides seamless management of digital video, audio, and data across any IP network. It is designed to work with Bosch CCTV products as part of a total video security management system.

With BVMS you can integrate your existing components into one easy-to-manage system, or use our full-line capabilities and benefit from a complete security solution based on cutting-edge technology and years of experience.

Bosch Video Client (BVC)

- Dynamic 16:9 cameo resizing
- Simultaneous viewing of live and playback streams (20 max.)
- Local recording and snapshots
- PTZ control
- Lens control and digital zoom
- Playback and export from on-camera storage and VRM
- Motion and IVA Forensic Search
- Instant replay and trick mode playback
- BVC is packaged with all IP cameras



Pictured: Bosch Video Client v1.3

Bosch Video Management System (BVMS)

- Enterprise-class Client/Server based video management system
- Superior alarm handling with alarm priorities and selectable user group distribution
- Mobile video client for live and playback
- Edge based Intelligent Video Analytics (IVA) and forensic search
- Support of third party cameras that are compliant to ONVIF Profile S
- BVMS software comes pre-installed on the DIVAR IP 3000/7000 Appliances.



Pictured: Bosch Video Management System v4.5

Digital Storage

More than just video recorders, our solutions are business tools for overall video system management. They provide you with affordable, convenient, centralized control of your surveillance system.

Every Bosch recording solution delivers exceptional video performance, whether it's real-time viewing or playback. All of our systems come complete with easy-to-use remote control software that lets you view live or recorded video images from virtually anywhere, connected to either the local network or the Internet.

Advantage Line digital recorders are simple to install and operate, without any complicated set up and configuration. With support for 4 to 64 cameras and a variety of storage options, you'll find a reliable recording solution to suit the size and complexity of a range of applications.

Key Benefits

- Continuous, reliable operation
- Exceptional video performance
- Intuitive and easy-to-use
- Embedded design reduces costs
- Built-in web interface for easy management

Product Options

- 4 to 128 channels
- 500GB to 8TB









Pictured, clockwise from top left: DVR 600 Series, DIVAR 3000/5000, DVR Viewer, DIVAR IP 3000/7000

Megapixel Cameras



	5MP	1080p			720p					
	Outdoor		Vehicle	Indoor					Outdoor Infrared	
	NDC-284-PT	NDC-274-PT	NDC-274-PM	NDC-274-P	NBC-265-P NBC-265-W	NPC-20012-F2 NPC-20012-F2W (NEW!)	NUC-20012-F2 (NEW!)	NDC-265-P	NTC-265-PI	NDC-265-PIO
Camera Type	**Vandal-resistant Microdome**	**Vandal-resistant Microdome**	**Vandal-resistent IVM Microdome**	**Indoor Microdome**	**IP Camera 200 Series**	**IP micro 2000 HD**	**FLEXIDOME micro 2000 HD**	**IP Dome 200 Series**	**D/N Infrared IP Bullet**	**D/N Infrared IP Dome**
Max. resolution	5 MP	1080p	1080p	1080p	720p	720p	720p	720p	720p	720p
Image Sensor Type	1/3.2" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
Day/Night	–	–	–	–	–	■ [Electronic]	■ [Electronic]	–	■	■
WDR	–	–	–	–	–	–	■	–	–	–
IR Sensitive	–	–	–	–	–	–	–	–	■	■ [IR Ccorrected]
LEDs	–	–	–	–	–	–	–	–	32 @ 850 nm	15 @ 850 nm
Infrared Range	–	–	–	–	–	–	–	–	82 ft	50 ft
Min. Illumination Day	0.3 lux	0.3 lux	0.3 lux	0.3 lux	1.0 lux	0.1 lux	0.1 lux	1.0 lux	1 lux (IR off)	1 lux (IR off)
Min. Illumination Night	–	–	–	–	–	–	–	–	0 lux (IR on)	0 lux (IR on)
Lens	3.74 mm Fixed	4.37 mm Fixed	4.37 mm Fixed	4.37 mm Fixed	2.8 - 12 mm Varifocal	2.5 mm Fixed	2.5 mm Fixed	2.7 - 9 mm DC Iris	2.7 - 9 mm DC iris	2.7 - 9 mm DC iris
Motion Detection	■	■	■	■	■	■	■	■	■	■
Privacy Zones	–	–	–	–	–	■	–	–	–	–
Output Connection	Ethernet, RJ45	Ethernet, RJ45	Ethernet M12 D-coded female	Ethernet, RJ45	Ethernet, RJ45, IEEE 802.11b/g	Ethernet, RJ45, IEEE 802.11b/g	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45
SD Card Slot	microSDXC Up to 2TB	microSDXC Up to 2TB	microSDXC Up to 2TB	microSDXC Up to 2TB	SD Up to 32GB	microSDXC Up to 2TB	microSDXC Up to 2TB	microSDHC Uo to 32GB	–	microSDHC Uo to 32GB
Operating Temp.	–4° to 122° F	–4° to 122° F	–4° to 122° F	–4° to 122° F	32° to 122° F	14° to 122° F	–4° to 122° F	14° to 122° F	–4° to 122° F	–4° to 122° F
All-weather Rating	IP66	IP66	IP66	–	–	–		–	IP66	IP66
Vandal Resistant	IK08	IK08	IK08	–	–	–		–	–	IK10
Max. Consumption	3.9 W	3.9 W	3.9 W	3.9 W	3.36 W	3.7 W	3.84 W	4.1 W	6.7 W	6.72 W
PoE	■	■	■	■	■	■	■	■	■	■

IP Cameras



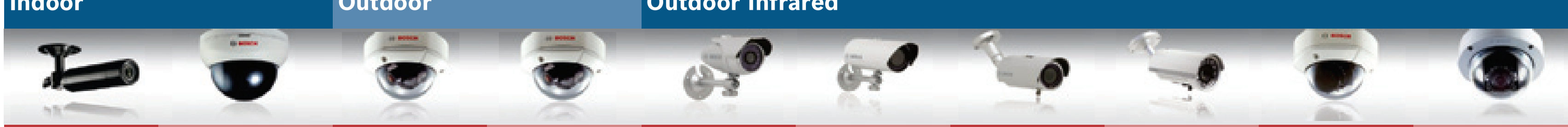
	480p								
	Indoor							Outdoor Infrared	
	NBC-255-P	NBC-255-W	NBC-225-P	NPC-20002-F2 (NEW!)	NUC-20002-F2 (NEW!)	NDC-255-P	NDC-225-P	NTC-255-PI	NDC-225-PI
Camera Type	IP Camera 200 Series	IP Camera 200 Series	IP Camera 200 Series	IP micro 2000	FLEXIDOME micro 2000 IP	IP Dome 200 Series	IP Dome 200 Series	D/N Infrared IP Bullet	D/N Infrared IP Dome
Max. resolution	480p [VGA]	480p [VGA]	480p [VGA]	480p [VGA]	480p [VGA]	480p [VGA]	480p [VGA]	480p [VGA]	480p [VGA]
Image Sensor Type	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
Day/Night	–	–	–	■ [Electronic]	■ [Electronic]	–	–	■	■
WDR	–	–	–	–	■	–	–	–	–
IR Sensitive	–	–	–	–	–	–	–	Yes	Yes
LEDs	–	–	–	–	–	–	–	32 @ 850 nm	32 @ 940 nm
Infrared Range	–	–	–	–	–	–	–	82 ft	50 ft
Min. Illumination Day	1.0 lux	1.0 lux	1.0 lux	0.1 lux	0.1 lux	1.0 lux	1.0 lux	1 lux (IR off)	1.0 lux
Min. Illumination Night	–	–	–	–	–	–	–	0 lux (IR on)	0 lux (IR on)
Lens	2.8 - 10 mm DC iris	2.8 - 10 mm Varifical	4 mm Fixed	2.5 mm Fixed	2.8 - 12 mm Varifocal	2.8 - 10 mm DC Iris	4 mm Fixed	3.7 - 10 mm DC Iris	4 mm Fixed
Motion Detection	■	■	■	■	■	■	■	■	■
Privacy Zones	–	–	–	–	–	–	–	–	–
Output Connection	Ethernet, RJ45	Ethernet, RJ45, IEEE 802.11b/g	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45
SD Card	SD Card Up to 32 GB	SD Card Up to 32 GB	SD Card Up to 32 GB	microSDXC Card Up to 2 TB	microSDXC Card Up to 2 TB	microSDHC Card Up to 32 GB	microSDHC Card Up to 32 GB	–	microSDHC Card Up to 32 GB
Operating Temp.	32° to 122° F	32° to 113° F	32° to 122° F	14° to 113° F	-4° to 122° F	14° to 122° F	14° to 122° F	–4° to 131° F	14° to 113° F
All-weather Rating	–	–	–	–	–	–	–	IP66	–
Vandal Resistant	–	–	–	–	–	–	–	–	–
Max. Consumption	3.36 W	3.36 W	3.36 W	2.8 W	2.8 W	4.1 W	4.1 W	6 W	6.6 W
PoE	■	■	■	■	■	■	■	■	■

960H Analog Cameras



	PTZ	Indoor				Outdoor		Outdoor Infrared	
	Ultra-high Resolution 960H								
	VEZ-400	VTC-206F03-4	VUC-1055-F221 (NEW!)	VDN-276-20	VDN-295-20	VDC-242V03-2	VDN-244V03-2H	VTI-2075-F321 (NEW!)	VDI-244V03-2H
Camera Type	26x Mini PTZ Dome	Color Mini Bullet	D/N Microdome	True D/N Dome	True D/N WDR Dome	D/N Dome	True D/N Dome	True D/N IR Bullet	True D/N IR WDR Dome
Max. resolution	720 TVL	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL
Image Sensor Type	960H, 1/4" CCD	960H, 1/3" CCD	960H, 1/4" CCD	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3"	960H, 1/3" CCD
Day/Night	■	–	■ [Electronic]	■	■	■ [Electronic]	■	■	■
WDR	■	–	■ [Electronic]	■ [Electronic]	■	■ [Electronic]	■ [Electronic]	–	■
IR Sensitive	■	–	–	■	■	■ [IR Corrected]	■ [IR Corrected]	■	■ [IR Corrected]
LEDs	–	–	–	–	–	–	–	20 @ 850 nm	18 @ 850 nm
Infrared Range	–	–	–	–	–	–	–	50 ft (15 m)	65 ft (20 m)
Min. Illumination Day	0.1 lux	0.1 lux	0.43 luz	0.12 lux	0.15 lux	0.12 lux	0.12 lux	0.5 lux	0.15 lux
Min. Illumination Night	0.01 lux	–	–	0.07 lux	0.05 lux	–	0.07 lux	0 lux	0 lux [IR on]
Lens	3.5 - 104 mm	3.6 mm	2.5 mm	2.8 – 10.5 mm	2.8 – 10.5 mm	2.8 – 10.5 mm	2.8 – 10.5 mm	3.6 mm	2.8 – 10 mm
Zoom	26x optical, 10x digital	–	–	–	–	–	–	–	–
Motion Detection	■	–	■	■	■	■	■	■	■
Privacy Zones	■	–	■	■	■	■	■	■	■
Output Connection	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector
SD Card	–	–	–	–	–	–	–	–	–
Operating Temp.	–40° to 122° F	14° to 122° F	–4° to 113° F	14° to 122° F	14° to 122° F	14° to 122° F	–22° to 122° F	–22° to 122° F	–22° to 122° F
All-weather Rating	IP66	IP67	–	–	–	IP66	IP66	IP66	IP66
Vandal Resistant	IK10	–	–	–	–	IK08	IK08	IK08	IK08
Max. Consumption	20W, 45W ***	3.6W	1.2W	3.6W	4.8W	3.6W	6W / 15.6W***	5.7W	6W / 15.6W***
Power Supply	24 VAC	12 VDC	12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	12 VDC	24 VAC, 12 VDC

Analog Cameras



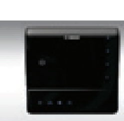
	Indoor		Outdoor		Outdoor Infrared					
	High Resolution									
	VTC-204F03-4	VDC-250F04-20 VDC-260V04-20	VDC-240V03-2	VDN-240V03-2	VTI-214F04-4	VTI-216V04-2	VTI-218V03-2	VTI-220V05-2	VDI-240V03-2	VDI-245V03-2 VDI-245-V03-2U
Camera Type	**Color Mini Bullet**	**Indoor Dome**	**Outdoor Color Dome**	**Outdoor D/N Dome**	**WZ14 Integrated IR Bullet**	**WZ16 Integrated IR Bullet**	**WZ18 Integrated IR Bullet**	**WZ20 Integrated IR Bullet**	**Outdoor IR D/N Dome**	**WZ45 Integrated IR Dome**
Max. resolution	380 TVL	540 TVL	540 TVL	540 TVL	380 TVL	520 TVL	540 TVL	540 TVL	540 TVL	540 TVL
Image Sensor Type	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Day/Night	–	■	■ [Electronic]	■	■ [Electronic]	■	■	■	■	■
WDR	–	–	–	–	–	–	–	–	–	–
IR Sensitive	–	■	–	■	■	■	■	■ [IR corrected]	■	■
LEDs	–	–	–	–	30 @ 850 nm	18 @ 850 nm	18 @ 850 nm	30 @ 850 nm	20 @ 850 nm	18 @ 850 nm
Infrared Range	–	–	–	–	50 ft (15 m)	66 ft (20 m)	66 ft (20 m)	150 ft (45 m)	65 ft (20 m)	60 ft (18 m)
Min. Illumination Day	0.5 lux	0.15 lux	0.05 lux	0.05 lux	–	–	–	–	0.05 lux	–
Min. Illumination Night	–	0.05 lux	0.005 lux	0.005 lux	0 lux [IR on]	0 lux [IR on]	0 lux [IR on]	0 lux [IR on]	0 lux [IR on]	0 lux [IR on]
Lens	3.6 mm Fixed	3.8 mm Fixed 3.8 - 9.5 mm DC Iris	2.8 - 10.5 mm DC Iris	2.8 - 10.5 mm DC Iris	4 mm Fixed	3.8 - 9.5 mm DC Iris	3.8 - 9.5 mm DC Iris	2.8 - 12 mm DC Iris	3.8 - 9.5 mm DC Iris	2.8 - 12 mm DC Iris
Motion Detection	–	■	■	■	–	–	■	■	■	■
Privacy Zones	–	■	■	■	–	–	■	■	■	■
Output Connection	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector	BNC Connector UTP
SD Card Slot	–	–	–	–	–	–	–	–	–	–
Operating Temp.	14° to 122° F	14° to 122° F	14° to 122° F	14° to 122° F	–22° to 122° F	–22° to 131° F	–22° to 122° F	–22° to 131° F	14° to 122° F	–22° to 131° F
All-weather Rating	IP67	–	IP66	IP66	IP67	IP67	IP66	IP66	IP66	IP66
Vandal Resistant	–	–	■	■	–	–	–	–	■	■
Max. Consumption	3.6W	3.6W	3.6W	3.6W	4.2W	4.2W	6.7W	8W	6W	4.5W
PoE	12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC

Digital Video Recorders

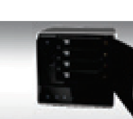
    

		DVR 440 / 480 Series	DVR 630 / 650 Series	DVR 670 Series	NEW! DIVAR 3000	NEW! DIVAR 5000
System	Target System Size	1 - 8 cameras	16 - 64 cameras	16 - 64 cameras	Up to 64 cameras	Up to 64 cameras
	Rack Mountable	–	■	■	–	■
	SDK Available	■	■	■	■ (VSDK v5.x)	■ (VSDK v5.x)
Video	Input Channels	4, 8	8, 16	8, 16	4, 8 or 16	4, 8 or 16
	Looping Video	–	■	■	–	■
	Connectors	Composite [1], VGA [1]	VGA [2]	VGA [2]	Composite [2], VGA [1], HDMI [1]	Composite [2], VGA [1], HDMI [1]
Audio	Input / Output Channels	1 / 1	4 / 2	4 / 2	4 [+1 MIC input] / 1	4 [+1 MIC input] / 1
	Synchronous / Bi-directional Audio	■ / –	■ / –	■ / –	■ / ■ [via web client]	■ / ■ [via web client]
	Assoc. Multiple Cameras to 1 Audio	■	■	■	–	–
Alarms	Inputs / Relay Outputs	4 / 1; 8 / 1	8 / 4; 16 / 4	8 / 4; 16 / 4	16 / 3	16 / 5
	Increase Frame Rate on Alarm	■	■	■	■	■
	Simul. Normal & Event Recording	■	■	■	–	■
	Multiple Camera Linking on Alarm	■	■	■	■	–
	Notification via Email	■	■	■	■	■
	Other	Pre-alarm, Motion Detection	Pre-alarm, Motion Detection	Pre-alarm, Motion Detection	Pre-alarm, Motion Detection	Pre-alarm, Motion Detection
Recording	Video Compression	H.264	H.264	H.264	H.264	H.264
	Frame Rate (IPS)	120, 240 IPS @ CIF	240, 480 IPS @ CIF	240, 480 IPS @ CIF	120, 240, 480 @ 960H	120, 240, 480 @ 960H
	Recording Resolution	352x240 / 704x240 / 704x480	352x240 / 704x240 / 704x480	352x240 / 704x240 / 704x480	QCIF / CIF / 2CIF / 4CIF / 960H	QCIF / CIF / 2CIF / 4CIF / 960H
	Schedule Recording Modes	Day / Week / 32 Exceptions	Day / Week / 32 Exceptions	Day / Week / 32 Exceptions	Day / Week / >32 Exception days	Day / Week / >32 Exception days
Storage	Internal HDD	Up to 1 TB	Up to 2 TB	Up to 2 TB	Up to 3 TB	Up to 3 TB
	External Storage	–	–	■ [eSATA]	–	■ [eSATA]
	Supported Export Devices	USB 1.1 and USB 2.0	Internal CD/DVDw, USB 2.0	Internal CD/DVDw, USB 2.0	Internal DVDw, USB, BVC, Web Client	Internal DVDw, USB, BVC, Web Client
	Export Data Format	Native File Format	Native File Format	Native File Format	Native, AVI	Native, AVI
Search	Timeline Search Bar (Color-coded)	■	■	■	■	Manual
	Search Mode	Date/Time, Events, Motion, Smart Motion	Date/Time, Events, Motion, Smart Motion	Date/Time, Events, Motion, Smart Motion	Date/Time, Channel, Event, Motion, Smart Motion	Date/Time, Channel, Event, Motion, Smart Motion
Disp	Live Resolution	720x484	720x484	720x484	960x480	960x480
	Screen Division	Full, Sequence, Multiscreen	Full, Sequence,Multiscreen	Full, Sequence, Multiscreen	Full, Sequence, Multiscreen	4 Ch.: 1/4; 8 Ch. 1/4/8/9; 16 Ch. 1/4/8/9/16
Security	User Levels	3	3	3	3	3
	Camera Lockouts by User	■	■	■	■	■
	Set Viewing Permissions	■	■	■	■	■
	Data Integrity Check	■	■	■	■ [in archive player]	■ [in archive player]
Remote	Network	10 / 100 Ethernet	10 / 100 Ethernet	10 / 100 Ethernet	10 / 100 / 1000 Ethernet	10 / 100 / 1000 Ethernet
	Web / Mobile Client Access	■ / ■	■ / ■	■ / ■	■ / ■ [iOS & Android]	■ [iOS, Android]
	Admin Control / PTZ Control	■ / ■	■ / ■	■ / ■	■ / ■	■ / ■
	Export Options	Native, AVI	Native, AVI	Native, AVI	Native, AVI	Native, AVI
Other	Instant Playback	■	■	■	■	■
	Digital Zoom [Live / Playback]	■ / ■	■ / –	■ / –	■ / –	■ / ■
	PTZ Joystick Control	–	■	■	–	■

Network Recording and Storage

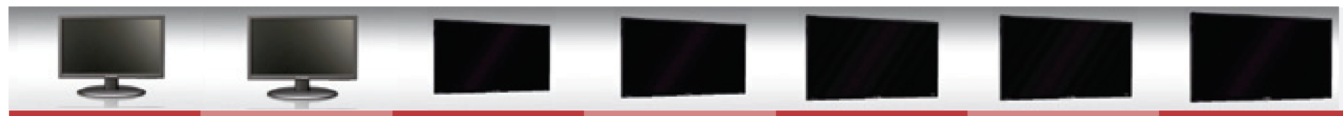


		NEW! DIVAR IP 3000
System	Target System Size	32+ Cameras
	Rack Mountable	No
	SDK Available	■ [VSDK v5.x]
Video	Inout Channels	Up to 32 per appliance
	Looping Video	–
	Connectors	DVI [1]
Audio	Input / Output Channels	Up to 32 [playback via remote station only]
	Synchronous Audio	■
	Assoc. Multiple Cameras to 1 Audio	■
Alarms	Inputs	Up to 144 via ADAM I/O modules [+1 per IP camera]
	Increase Frame Rate on Alarm	■
	Simul. Normal & Event Recording	■
	Multiple Camera Linking on Alarm	■
	Notification via Email	■
	Other	Pre-alarm, Motion Detection
Recording	Video Compression	H.264, MPEG-4, ONVIF, RTSP, JPEG
	Frame Rate	25 / 30 IPS [per camera]
	Recording Resolution	CIF / 2CIF / 4CIF / 720p / 1080p / 5MP
	Schedule Recording Modes	Day / Night / Weekend / Holiday / Specific Day
Storage	Internal HDD [GB]	4000 - 8000 GB
	External Storage	■ [iSCSI]
	Supported Export Devices	External CD/DVD Writer, USB 2.0, iSCSI
	ExportData Format	Native, ASF
Search	Timeline Search Bar (color coded)	■
	Search Mode	Date/time, Device, Events, Alarm State/Priority, Smart Motion Search, IVA
	Smart Motion Search	■
Display	Live Resolution	CIF / 2CIF / 4CIF / 720p / 1080p / 5MP
	Screen Division	Full, Multiscreen
Security	User Levels	Unlimited
	Camera Lockouts by User	■
	Set Viewing Permissions	■
	Data Integrity Check	■
Remote Access	Network	10/100/1000 Ethernet
	Web Browser / Mobile Client Access	– / ■
PC Client	Admin Control / PTZ Control	■ / ■
	Export Options	Native File Format and ASF
Other	Instant Playback	■
	Digital Zoom [Live / Playback]	■
	PTZ Joystick Control	■



			NEW! DIVAR IP 2000
		Target System Size	1 to 16 Cameras
Mechanical		Product Safety	CE, UL, EN, IEC
		Warranty	3 Years [all components]
	Power Supplies	Number	1
		Power Consumption	200W
	Fans	Number	1
		Hot Swappable	No
System	Processor	Type	Intel® Atom D525
		Speed	1.80 GHz, 1333 MHz FSB
		Cache	1MB L2 Cache
		Memory	1GB, DDR3-1333 SO-DIMM
	Host Interface	Type	Gigabit Ethernet
		Number	1
		RAID Levels	JBOD
Storage	Disk Drives	Type	SATA-II
		Maximum Drives Supported	4
		Hot Swappable	–
		Available Capacities	2 TB
	Storage Expansion	Expansion Links	–
		Number of Expansion Units	–
		Maximum Drives Supported	–
		Hot Swappable	–
	Capacity	Base System [Raw]	8 TB
		Base System [RAID Config.]	[JBOD]
Performance		Array Throughput/Bandwidth	100 Mbps
		Drive Throughput	3.0 Gbps
		iSCSI Camera Connections	16
Monitoring	Remote Mgmt.	Remote Desktop	■
		Web Client	–
	Monitoring	SNMP	■
		Alerts	■
Platform Support	Hardware	Recorders	–
	Software	BVC	■
		VIDOS	–
		BVMS	■ [v4.50 or newer]
		VRM	■ [v3.00 Embedded]

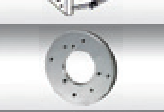
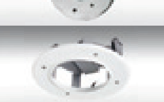
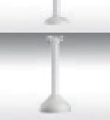
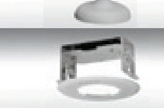
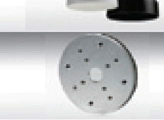
High Performance Monitors



		UML-323-90	UML-423-90	UML-323-90	UML-423-90	UML-423-90	UML-463-90	UML-553-90
Display	Type	32" LED	42" LED	32" LED	42" LED	42" LED	42" LED	55" LED
	Max Pixel Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Horizontal Resolution	650 TVL	650 TVL	650 TVL	650 TVL	650 TVL	650 TVL	650 TVL
	Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9	16:9
	Brightness (cd/m2)	350	500	350	500	500	450	450
	Contrast Ratio	3000:1	4000:1	3000:1	4000:1	4000:1	3500:1	4000:1
	Backlight	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours
	Viewing Angle (HxV)	178° x 178°	178° x 178°	178° x 178°	178° x 178°	178° x 178°	178° x 178°	178° x 178°
	Composite Video / Audio Loop-through	Passive	Passive	Passive	Passive	Passive	Passive	Passive
	PC Compatible	■	■	■	■	■	■	■
Connectors	Composite Video (BNC)	1 [looping video]	1 [looping video]	1 [looping video]	1 [looping video]	1 [looping video]	■	1 [looping video]
	VGA	■	■	■	■	■	■	■
	DVI-D	■	■	■	■	■	■	■
	HDMI	■	■	■	■	■	■	■
Audio	Input	■	■	■	■	■	■	■
	Speaker	■	■	■	■	■	■	■
Mechanical	Width	29.34" (745 mm)	38.96" (977 mm)	29.34" (745 mm)	38.96" (977 mm)	38.96" (977 mm)	40.3" (1024mm)	49.45" (1256 mm)
	Height	17.31" (440 mm)	22.44" (570 mm)	17.31" (440 mm)	22.44" (570 mm)	22.44" (570 mm)	22.8" (578mm)	28.61" (727 mm)
	Depth	3.02" (77 mm)	3.26" (83 mm)	3.02" (77 mm)	3.26" (83 mm)	3.26" (83 mm)	4.4" (112mm)	3.26" (83 mm)
	Weight	27.6 lb (12.5 kg)	44.1 lb (20 kg)	27.6 lb (12.5 kg)	44.1 lb (20 kg)	44.1 lb (20 kg)	55.1 lb (25 kg)	70.5 lb (32 kg)
Power	Power Supply	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
	Power Consumption	75W	150W	75W	150W	150W	149W	170W
Misc.	Picture-in-picture	■	■	■	■	■	■	■
	Front Panel Lockout	■	■	■	■	■	■	■
	IR Remote	■	■	■	■	■	■	■
Cables Included	VGA-to-VGA	■	■	■	■	■	■	■
	DVI-to-DVI	■	■	■	■	■	■	■
Mounting	VESA Compliant	■	■	■	■	■	■	■
	Rack-mountable	–	–	–	–	–	–	–
	Table Stand	Included	Included	Included	UMM-LED32-SD	UMM-LED42-SD	UMM-LED46-SD	UMM-LED42-SD
	Tilt Wall Mount	UMM-LM-20B	UMM-LM-20B	–	–	ST660	ST660	ST660
	Swivel/Tilt Wall Mount	UMM-LM-30B	UMM-LM-30B	UMM-WMT-32	UMM-WMT-32	–	UMM-WMT-46	–

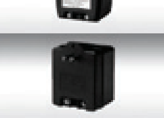
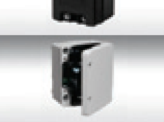
Accessories

Mounts

	LTC 9213/01 *	Pole mount adapter
	NDA-ADTI-DOME	Adaptor to mount NDC-2xx Dome cameras to an electrical box or VEZ-A2-xW wall & pipe mount
	NDA-FMT200-DOME	Flush Mount kit for NDN-265-PIO
	NDA-MBR-DOME	Bracket to surface mount NDC-274-P, or attach to an electrical box
	NDA-MBRO-DOME	Bracket to surface mount NDC-265-PIO, or attach to an electrical box
	NDA-WMT-DOME	L-shaped wall bracket for NDC-2xx and NDN-2xx Dome cameras
	VDA-FMT-IP200DOME	Flush mount kit for NDC-225-P, NDC-255-P, NDC-265-P and NDC-225-PI
	VDA-PMT-AIDOME	Indoor pipe mount for VDx-2xx analog dome cameras ***
	VDA-PMT-AODOME	Outdoor pipe mount VDx-24x analog dome cameras and NDN-265-PIO ***
	VDA-WMT-AIDOME **	Indoor wall mount for VDx-2xx analog dome cameras ***
	VDA-WMT-AODOME **	Outdoor wall mount for VDx-24x analog dome cameras and NDN-265-PIO ***
	VEZ-A2-PW	Pendant Pipe Mount for IP200 Dome cameras (requires NDA-ADTI-DOME adaptor)
	VEZ-A2-WW **	Pendant Wall Mount for IP200 Dome cameras (requires NDA-ADTI-DOME adaptor)
	VEZ-A4-IC	Flush mount kit for VEZ-400
	VEZ-A4-PW / PC	Pipe mount for VEZ-400. Available in white or charcoal
	VEZ-A4-WW / WC **	Wall mount for VEZ-400. Available in white or charcoal
	WZMB.001	Adapter plate for mounting VTI-220 camera onto a circular electrical box

* TC9311PM3T installation banding tool recommended for use with LTC 9213/01 pole mount adapter.
** Can be adapted for pole mount using the LTC 9213/01.
*** Not compatible with VDI-245. Contact your Bosch sales rep for recommended mount options.

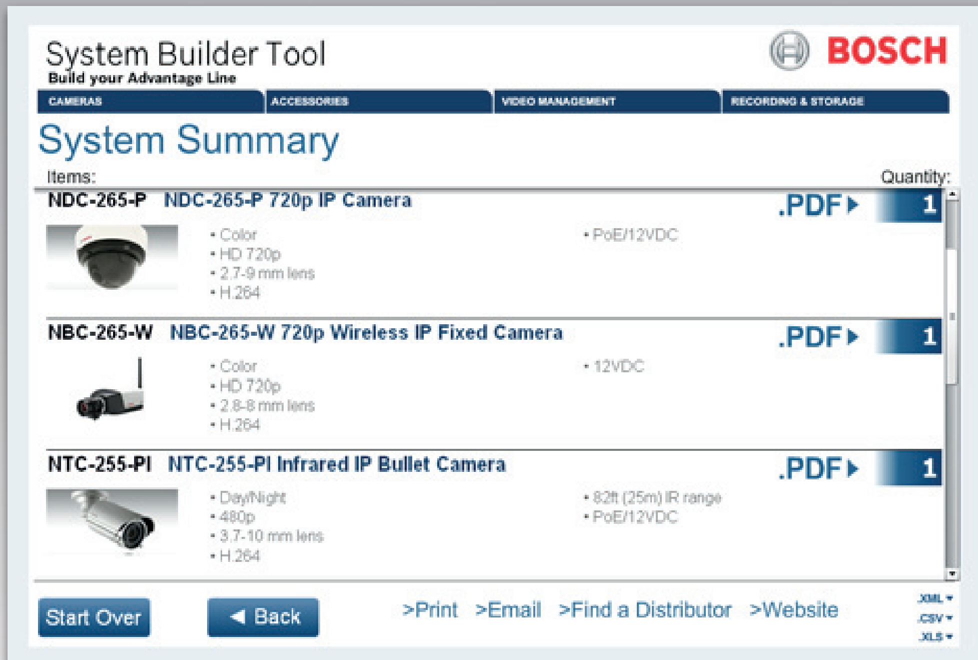
Power Supplies

	UPA-1220-60	Input 100-240 VAC, 50/60 Hz Rated Output 12 VDC, 1.0 A, Regulated
	UPA-2430-60	Input 120 VAC, 60 Hz Output 24 VAC, 1.25 A, 30 VA
	UPA-2450-60	Input 120 VAC, 60 Hz Output 24 VAC, 50 VA
	VG4-A-PSU1	120 VAC, 100 W NEMA-rated

Other Hardware

	MIC-BP3	Bi-Phase to RS-485 converter device for VEZ-400
	LTC 8786/60	RS-232 to Biphase converter with 16 Biphase outputs

Tools and Support

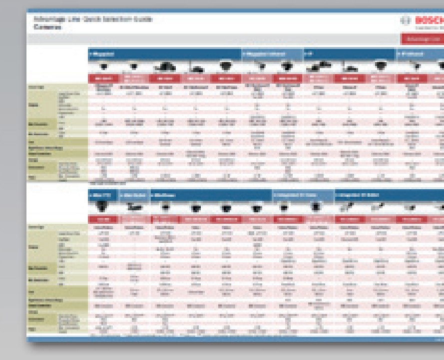


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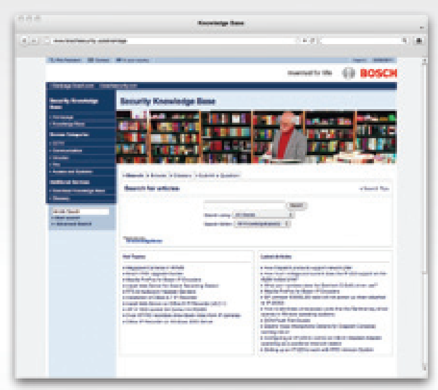
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